

04/12/01  
jc860 U.S. PTO

jc984 U.S. PTO  
09/832501  
04/12/01

Please type a sign (+) inside this box + PTO/SB/05 (08-00)

Approved for use through 10/31/2002 OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No PF542	
		First Inventor	BALLANCE et al.
		Title	ALBUMIN FUSION PROTEINS
		Express Mail Label No	
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>ADDRESS TO:</b> Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small>		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <small>(Appendix)</small>	
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. <input checked="" type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small>	
3. <input checked="" type="checkbox"/> Specification [Total Pages <b>289</b> ] <small>(preferred arrangement set forth below)</small> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings <small>(if filed)</small> - Detailed Description - Claim(s) - Abstract of the Disclosure		a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. <input checked="" type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper [23 pages; pages 1-23] c. <input checked="" type="checkbox"/> Statements verifying identity of above copies	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) (Figs. <b>1-15</b> ) [Total Sheets <b>18</b> ]		<b>ACCOMPANYING APPLICATION PARTS</b>	
5. <input checked="" type="checkbox"/> Oath or Declaration (unexecuted) [Total Pages <b>2</b> ] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		9. <input type="checkbox"/> Assignment Papers (cover sheet and document(s))	
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76.		10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney	
17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-Part (CIP) of prior application No: _____ Prior application information: Examiner Group/Art Unit:		11. <input type="checkbox"/> English Translation Document <small>(if applicable)</small>	
For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts		12. <input type="checkbox"/> Information Disclosure Statement/ Form PTO/SB/08 <input type="checkbox"/> Copies of Citations	
<b>18. CORRESPONDENCE ADDRESS</b>		13. <input type="checkbox"/> Preliminary Amendment	
<input checked="" type="checkbox"/> Customer Number or Bar Code Label <b>22195</b> or <input type="checkbox"/> Correspondence address below		14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(should be specifically itemized)</small>	
NAME		15. <input type="checkbox"/> Certified copy of Priority Document(s) <small>(if foreign priority is claimed)</small>	
ADDRESS		16. <input type="checkbox"/> Other:	
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	
NAME (Print/Type) Michele M. Wales		Registration No. (Attorney/Agent) 43,975	
SIGNATURE <i>Michele M. Wales</i>		Date 4/12/01	

Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete could be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<b>FEE TRANSMITTAL for FY 2001</b>  <i>Patent fees are subject to annual revision.</i>				<b>Complete if Known</b>																																																																																																																																																																																																											
				Application Number		To be assigned																																																																																																																																																																																																									
				Filing Date		April 12, 2001																																																																																																																																																																																																									
				First Named Inventor		BALLANCE, et al.																																																																																																																																																																																																									
				Examiner Name		To be assigned																																																																																																																																																																																																									
				Group Art Unit		To be assigned																																																																																																																																																																																																									
Total amount of payment		(\$)		8,516.00		Attorney Docket Number																																																																																																																																																																																																									
						PF542																																																																																																																																																																																																									
METHOD OF PAYMENT (CHECK ONE)				FEE CALCULATION (CONTINUED)																																																																																																																																																																																																											
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account Number <b>08-3425</b> Deposit Account Name <b>Human Genome Sciences, Inc.</b>  <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17  <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27				3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late non-provisional filing fee or cover sheet</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive -unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581</td><td>40</td><td>481</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>190</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify):</td></tr> <tr><td colspan="6">Other fee (specify):</td></tr> <tr><td colspan="6">*Reduced by Basic Filing Fee Paid</td></tr> <tr> <td colspan="4" style="text-align: right;"><b>Subtotal (3)</b></td> <td colspan="2"></td> <td colspan="2" style="text-align: right;"><b>\$ 0.00</b></td> </tr> </tbody> </table>				Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late non-provisional filing fee or cover sheet		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920	112	920	Requesting publication of SIR prior to Examiner action		113	1,840	113	1,840	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive -unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Statement		581	40	481	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	190	169	900	Request for expedited examination of a design application		Other fee (specify):						Other fee (specify):						*Reduced by Basic Filing Fee Paid						<b>Subtotal (3)</b>						<b>\$ 0.00</b>	
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																										
105	130	205	65	Surcharge - late non-provisional filing fee or cover sheet																																																																																																																																																																																																											
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																											
139	130	139	130	Non-English specification																																																																																																																																																																																																											
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																																											
112	920	112	920	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																											
113	1,840	113	1,840	Requesting publication of SIR after Examiner action																																																																																																																																																																																																											
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																											
116	390	216	195	Extension for reply within second month																																																																																																																																																																																																											
117	890	217	445	Extension for reply within third month																																																																																																																																																																																																											
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																																											
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																																											
119	310	219	155	Notice of Appeal																																																																																																																																																																																																											
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																																											
121	270	221	135	Request for oral hearing																																																																																																																																																																																																											
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																											
140	110	240	55	Petition to revive -unavoidable																																																																																																																																																																																																											
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																																											
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																																											
143	440	243	220	Design issue fee																																																																																																																																																																																																											
144	600	244	300	Plant issue fee																																																																																																																																																																																																											
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																											
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																											
126	240	126	240	Submission of Information Disclosure Statement																																																																																																																																																																																																											
581	40	481	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																											
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																											
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																											
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																																											
169	190	169	900	Request for expedited examination of a design application																																																																																																																																																																																																											
Other fee (specify):																																																																																																																																																																																																															
Other fee (specify):																																																																																																																																																																																																															
*Reduced by Basic Filing Fee Paid																																																																																																																																																																																																															
<b>Subtotal (3)</b>						<b>\$ 0.00</b>																																																																																																																																																																																																									
FEE CALCULATION																																																																																																																																																																																																															
1. BASIC FILING FEE																																																																																																																																																																																																															
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																										
101	710	201	355	Utility filing fee	\$710.00																																																																																																																																																																																																										
106	320	206	160	Design filing fee																																																																																																																																																																																																											
107	490	207	245	Plant filing fee																																																																																																																																																																																																											
108	710	208	355	Reissue filing fee																																																																																																																																																																																																											
114	150	214	75	Provisional filing fee																																																																																																																																																																																																											
<b>Subtotal (1)</b>					<b>\$ 710.00</b>																																																																																																																																																																																																										
2. EXTRA CLAIM FEES																																																																																																																																																																																																															
		Extra		Fee from below		Fee Paid																																																																																																																																																																																																									
Total claims	412	- 20**	392	18.00	\$7056.00																																																																																																																																																																																																										
Indep. claims	9	- 3**	6	80.00	\$ 480.00																																																																																																																																																																																																										
Multiple Dependent					\$ 270.00																																																																																																																																																																																																										
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description																																																																																																																																																																																																											
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																											
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																																											
104	270	204	135	Multiple dependent claim																																																																																																																																																																																																											
108	80	209	40	**Reissue independent claims over original patent																																																																																																																																																																																																											
110	18	210	9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																											
<b>Subtotal (2)</b>					<b>(\$)</b> 7,806.00																																																																																																																																																																																																										
Submitted By				Complete (if applicable)																																																																																																																																																																																																											
Name (Print/Type) <b>Michael M. Wales</b>				Registration No.: 43,975		Telephone 301-610-5772																																																																																																																																																																																																									
Signature: <i>Michael M. Wales</i>						Date <b>4/12/01</b>																																																																																																																																																																																																									

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: BALLANCE et al.

Application Serial No.: to be assigned

Art Unit: to be assigned

Filed: Concurrently herewith

Examiner: to be assigned

For: ALBUMIN FUSION PROTEINS

Attorney Docket No.: PF542

STATEMENT UNDER 37 C.F.R. 1.821(f)

Commissioner For Patents  
Washington, D.C. 20231

Sir:

Applicants hereby certify that the enclosed paper copy of the sequence listing and the computer-readable form of such sequence listing are identical.

Respectfully submitted,

Dated:

*April 12, 2001*

*Michele M. Wales*

Michele M. Wales

(Reg. No. 43,975)

Attorney for Applicants

**Human Genome Sciences, Inc.**

9410 Key West Avenue  
Rockville, Maryland 20850  
Telephone: 301-610-5772

Enclosure  
MMW/

09833504 0400